

SkyGlow™ & UltraBlock™ Light-Pollution Filters

#5661 .965" SkyGlow Broadband Filter

#5660 1.25" SkyGlow Broadband Filter

#5659 2" SkyGlow Broadband Filter

#5658 SkyGlow Broadband Filter for Schmidt-Cassegrains

#5654 1.25" SkyGlow UltraBlock Filter

#5655 .965" SkyGlow UltraBlock Filter

#5657 2" SkyGlow UltraBlock Filter

#5656 SkyGlow UltraBlock Filter for Schmidt-Cassegrains

The SkyGlow Broadband and UltraBlock Series of filters allows light from nebulas and other deep-space objects to pass through them while blocking light from street lights and other undesirable light sources.

The SkyGlow Broadband Filter is useful in areas of moderate light pollution like nearby street lights. It blocks the most common undesirable light pollution, while passing other desirable wavelengths such as Hydrogen Alpha, Hydrogen Beta, and Doubly Ionized Oxygen. It is designed for both visual and photographic use.

The SkyGlow UltraBlock Filter is a Narrow Band Transmission Filter with very high (99.9%) blocking of Mercury and Sodium emission pollution bands, and very high transmission of critical Hydrogen Beta and Ionized Oxygen. It is most useful in areas of extreme light pollution like cities and busy streets. The SkyGlow UltraBlock Filter is particularly well suited for observing all planetary and emission nebulas. It is not generally recommended for photography.



Mounting the 1.25" SkyGlow/UltraBlock Filter

Thread it into the barrel of your standard 1.25" eyepieces and use your eyepieces normally. You can also use the filters photographically by threading them into eyepieces used in tele extenders and universal camera adapters.

Schmidt-Cassegrain models:

Thread it onto the rear cell where you normally attach your visual back or T-adaptor. The filter provides the same threads as the rear cell of your Schmidt-Cassegrain, so you can continue to use any of your standard accessories as before.

The Importance of Dark Adaptation

Allowing your eyes to dark-adapt is the key to getting the most from your SkyGlow filter. Allow your eyes to dark-adapt for about 20-30 minutes before you use the filter. Once the pupil in your eye opens up, you'll be able to take full advantage of the benefits of the filter. Remember, the instant you glance at a bright object like a street lamp or bright flashlight bulb, your eyes lose their dark adaptation. You have to wait another 20-30 minutes for it to return. Locate the scope away from direct illumination by street lights. Set up in the "shadows" of buildings and other objects, or, better yet, use Astrogoggles.

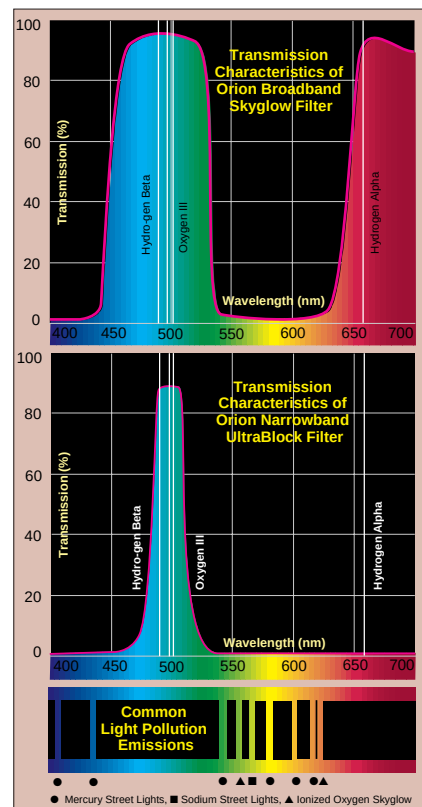
What You Will See

These filters improve contrast between sky and object but will not actually make the object brighter. Expect a very dark sky background and a somewhat dimmer but high-contrast image. The filters perform best on emission objects like the Orion and Trifid nebulas in winter, and the Lagoon or Dumbbell nebulas in summer. Use these for your first use

of the filter. Our SkyGlow and UltraBlock filters improve the contrast of most objects, but have considerably less effect on galaxies and stars. The coatings on the filters are specifically formulated for emission-type objects. Remember to use low power and longer focal-length eyepieces.

Care of Your SkyGlow and UltraBlock Filters

Avoid contacting the coated glass surface. Keep the filter in its protective storage box when you are not using it. Use compressed air to blow off dust particles. If the glass surface accumulates oily dirt, use lens cleaning fluid and tissue as instructed in their package directions.



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Customer Support (800) 676-1343
Email: support@telescope.com
Corporate Offices (831) 763-7000
P.O. Box 1815, Santa Cruz, CA 95061